

1 **Amendments to the Specification**

2 Please make the following changes to the paragraphs taken from the
3 specification as follows:

5 Please add the following to page 1 as the first paragraph of the application:

6 **RELATED APPLICATIONS**

7 This application claims priority under 35 U.S.C. §120 as a continuation of
8 U.S. Patent Application No. 09/608,526, filed June 30, 2000, the entire disclosure
9 of which is hereby incorporated by reference in its entirety.

11 On page 4, line 6:

12 It is a further object to provide a system configured to process multiple
13 streams of raw data in real time and providing a formatted and validated output
14 which is suitable for down stream processing and distribution to clients.

16 On page 26, line 9:

17 In a preferred embodiment, the software 190 operating on the client 18
18 maintains a copy of the current state of the various objects of interest to the client in
19 the data streams to which the client has subscribed. The object state is preferably
20 contained in a subscribed stream object pool 194 present on the client system.

22 Similar to the operation of the object state manager 152, when a client first
23 subscribes to a data stream, a snapshot of the objects in that data stream is retrieved,
24 constrained by any filters, rules, or other logic which may be in place, delivered to

1 the client 18, and stored in the client's object pool 194. In a preferred
2 implementation, the state dispatch module 170 (see Fig. 8) is configured to process
3 such data requests from the client session manager 150 or from the various client
4 sessions of 154. Because all data streams which have at least one subscribing client
5 should have an associated object state manager 152 which maintains the current
6 state of objects in the stream, the state dispatch module 170 can retrieve the
7 requested information directly from the various object caches 160 and return the
8 data to the client via the client session manager 150 and/or the dedicated client
9 session 154. Once the initial object snapshots have been retrieved, the client
10 software 190 then modifies the objects and associated data in accordance with
11 events received at the client from the client manager 32.
12

13
14 On page 27, line 10:

15 (d) Permissions which restrict restriction user access to a folder or specific
16 folder related functionality (e.g. on-line trading).

17
18
19 On page 27, line 12:

20 (e) Display attributes, such as formatting rules which specify how the data
21 should be displayed, sorting rules indicating an order of display, and various
22 miscellaneous visual characteristics including font, size, and color